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What is claimed is:

1. A liquid dispensing system, comprising:
a pressurized gas supply;
a vessel for containing a liquid, the vessel being in fluid communication with
5 the pressurized gas supply which is operable to pressurize the liquid in the vessel;
a first valve in fluid communication with the pressurized gas supply and the
vessel;
a fluid line in fluid communication with the first valve and with a second
valve, the first valve being operable to selectively control flow of the pressurized
10 gas or the liquid into the fluid line; and
an indicator operably associated with the second valve and being operable to
effect closing of the second valve when a predetermined amount of the liquid has
been supplied into the fluid line from the vessel.
2. The liquid dispensing system of claim 1, wherein the indicator comprises
15 a timer operable to effect opening of the second valve for a predetermined amount
of time and closing of the second valve after the predetermined amount of time has
elapsed, the liquid being supplied into the fluid line from the vessel for the
predetermined amount of time.
3. The liquid dispensing system of claim 1, wherein the indicator comprises
20 a weighing device operable to measure the weight of the vessel containing the
liquid, the weighing device being operable to effect closing of the second valve
when the weight of the vessel containing the liquid has been reduced by a
predetermined amount by supplying liquid from the vessel into the fluid line.
4. The liquid dispensing system of claim 1, wherein the indicator
25 comprises a level detector operable to monitor the level of the liquid contained in

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the vessel, the level detector being operable to effect closing of the second valve when the level of liquid in the vessel is decreased by a predetermined amount by supplying liquid from the vessel into the fluid line.

5 5. The liquid dispensing system of claim 1, further comprising a solvent supply in fluid communication with the first valve, the fluid line, and the second valve, the solvent supply being operable to supply at least one solvent into the fluid line when the first valve and the second valve are open to remove the liquid from the fluid line via the second valve.

10 6. The liquid dispensing system of claim 5, further comprising a third valve selectively operable to control flow of the pressurized gas from the pressurized gas supply, or the solvent from the solvent supply, into the fluid line.

7. The liquid dispensing system of claim 1, further comprising a controller in control communication with the first valve, the second valve, and the indicator.

15 8. The liquid dispensing system of claim 1, further comprising:
a second vessel for containing a liquid, the second vessel being in fluid communication with the pressurized gas supply which is operable to pressurize the liquid in the second vessel;
a fourth valve in fluid communication with the pressurized gas supply and the second vessel;
20 a second fluid line in fluid communication with the fourth valve and with a fifth valve, the fourth valve being selectively operable to selectively control flow of the pressurized gas, or the liquid, into the second fluid line; and
a second indicator operably associated with the fourth valve and being operable to effect closing of the fourth valve when a predetermined amount of the
25 liquid has been supplied into the second fluid line from the second vessel.

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9. The liquid dispensing system of claim 8, further comprising a reactor in fluid communication with the second valve and the fifth valve.

10. The liquid dispensing system of claim 9, further comprising a waste vessel and a recovery vessel in fluid communication with the reactor.

5 11. The liquid dispensing system of claim 8, further comprising a controller in control communication with the first valve, the second valve, the fourth valve, the fifth valve, the first indicator, and the second indicator.

10 12. The liquid dispensing system of claim 8, further comprising a solvent supply in fluid communication with the first valve, the first fluid line, the second valve, the fourth valve, the second fluid line, and the fifth valve, the solvent supply being operable to selectively supply (i) at least one solvent into the first fluid line when the first valve and the second valve are open to remove the liquid from the first fluid line via the second valve, and/or (ii) at least one solvent into the second fluid line when the fourth valve and the fifth valve are open to remove the liquid
15 from the second fluid line via the fifth valve.

13. A method of dispensing a liquid, comprising:
supplying a pressurized gas into a vessel containing a liquid so as to pressurize the liquid;
opening a first valve in fluid communication with the pressurized gas supply
20 and the vessel;
operating the first valve to supply the liquid from the vessel into a fluid line in fluid communication with the first valve and with a second valve;
supplying a predetermined amount of liquid into the fluid line from the vessel;

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closing the second valve when the predetermined amount of liquid has been supplied into the fluid line from the vessel; and

operating the first valve to supply the pressurized gas into the fluid line to dispense the liquid via the second valve.

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14. The method of claim 13, wherein the supplying comprises operating an indicator including a timer to effect opening of the second valve for a first predetermined amount of time and closing of the second valve after the first predetermined amount of time has elapsed, the liquid being supplied into the fluid
10 line from the vessel for the first predetermined amount of time.

15. The method of claim 13, wherein the supplying comprises operating a weighing device to measure the weight of the vessel containing the liquid, the weighing device effecting closing of the second valve when the weight of the vessel containing the liquid has been reduced by a predetermined amount by supplying
15 liquid from the vessel into the fluid line.

16. The method of claim 13, wherein the supplying comprises operating a level detector to monitor the level of the liquid contained in the vessel, the level detector effecting closing of the second valve when the level of liquid in the vessel is decreased by a predetermined amount by supplying liquid from the vessel into the
20 fluid line.

17. The method of claim 13, further comprising supplying a solvent from a solvent supply into the fluid line when the first valve and the second valve are open to remove the liquid from the fluid line via the second valve.

18. The method of claim 13, further comprising controlling the operation of
25 the first valve, the second valve, and the indicator with a controller.

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19. The method of claim 13, further comprising:

supplying the pressurized gas into a second vessel containing a liquid so as to pressurize the liquid in the second vessel;

operating a third valve in fluid communication with the pressurized gas supply and the second vessel to supply the liquid from the second vessel into a second fluid line in fluid communication with the third valve and with a fourth valve;

closing the fourth valve when a second predetermined amount of time has elapsed indicating that a predetermined amount of liquid has been supplied into the second fluid line from the second vessel; and

operating the third valve to supply the pressurized gas into the second fluid line to dispense the liquid via the fourth valve.

20. The method of claim 13, wherein the predetermined amount of liquid is from about 100 μ l to about 1 ml.